

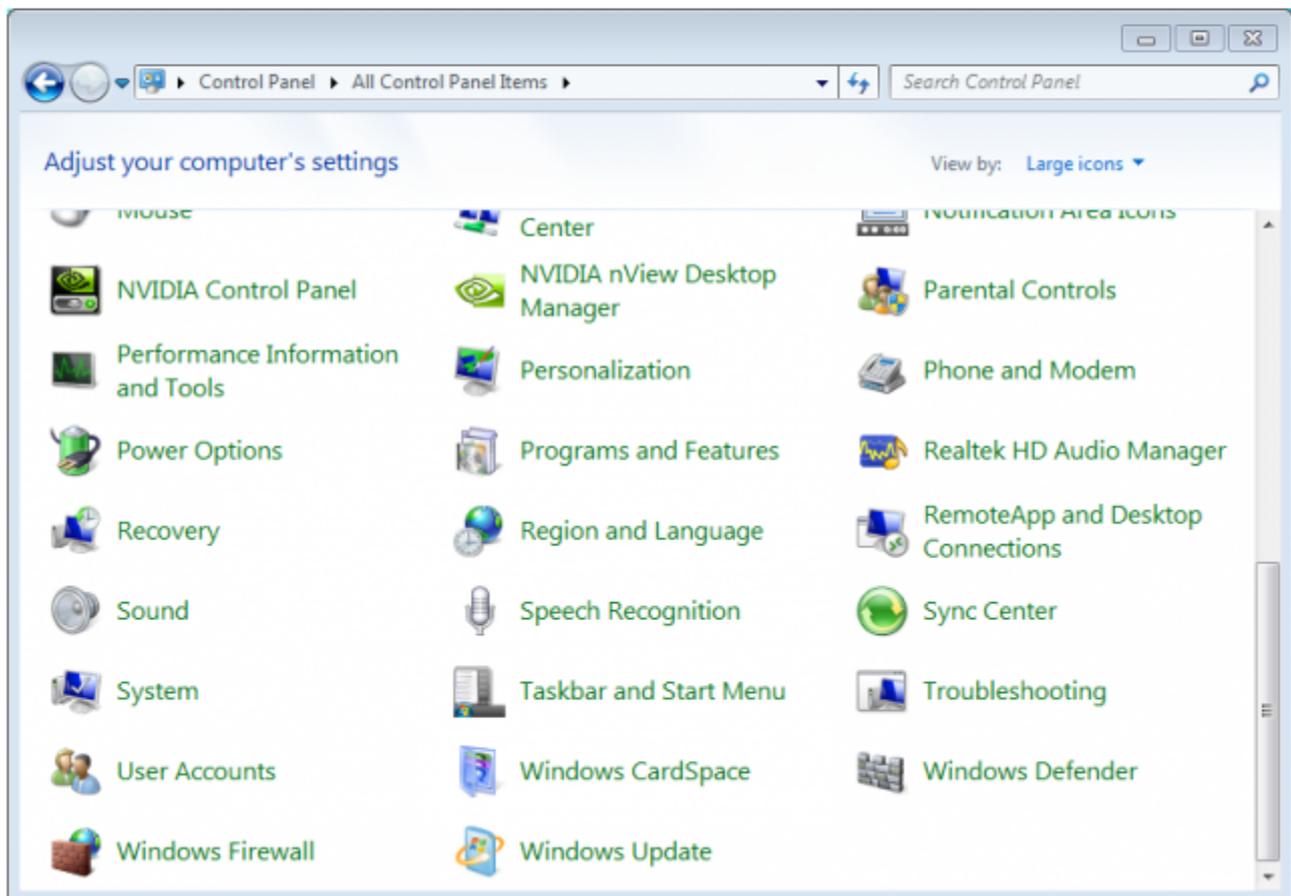
Open Windows Firewall

Steps

The following instructions are for opening TCP Port 80 in the Windows Firewall - the firewall software included with Windows. If you are using an alternate firewall, please consult their documentation.

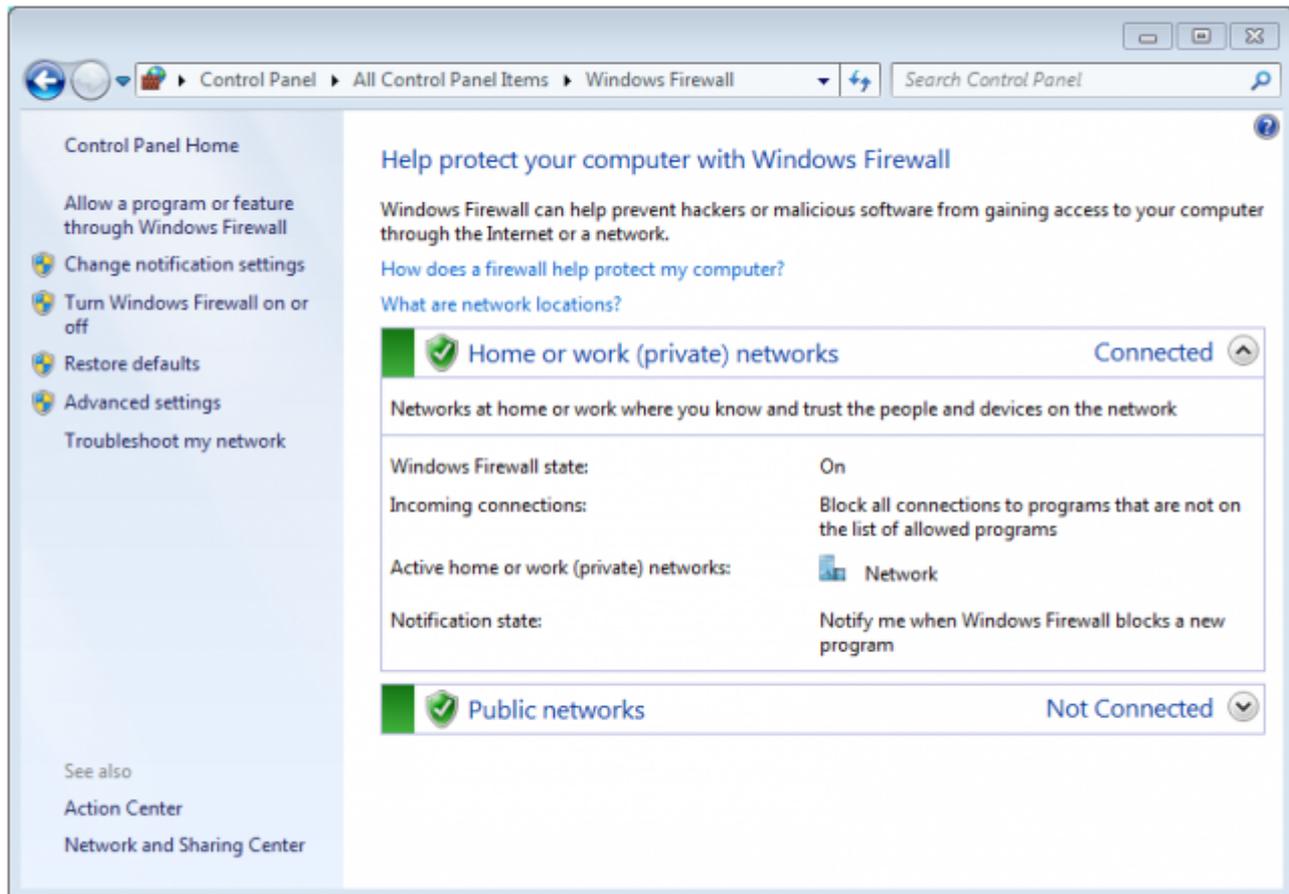
Important: It is not adequate to open the port's inbound and outbound traffic for just the program or the service. You must create Port rules as directed below in Step 6, or it will not work.

1. Open **Control Panel** from the Start menu.
2. Select **Windows Firewall**.



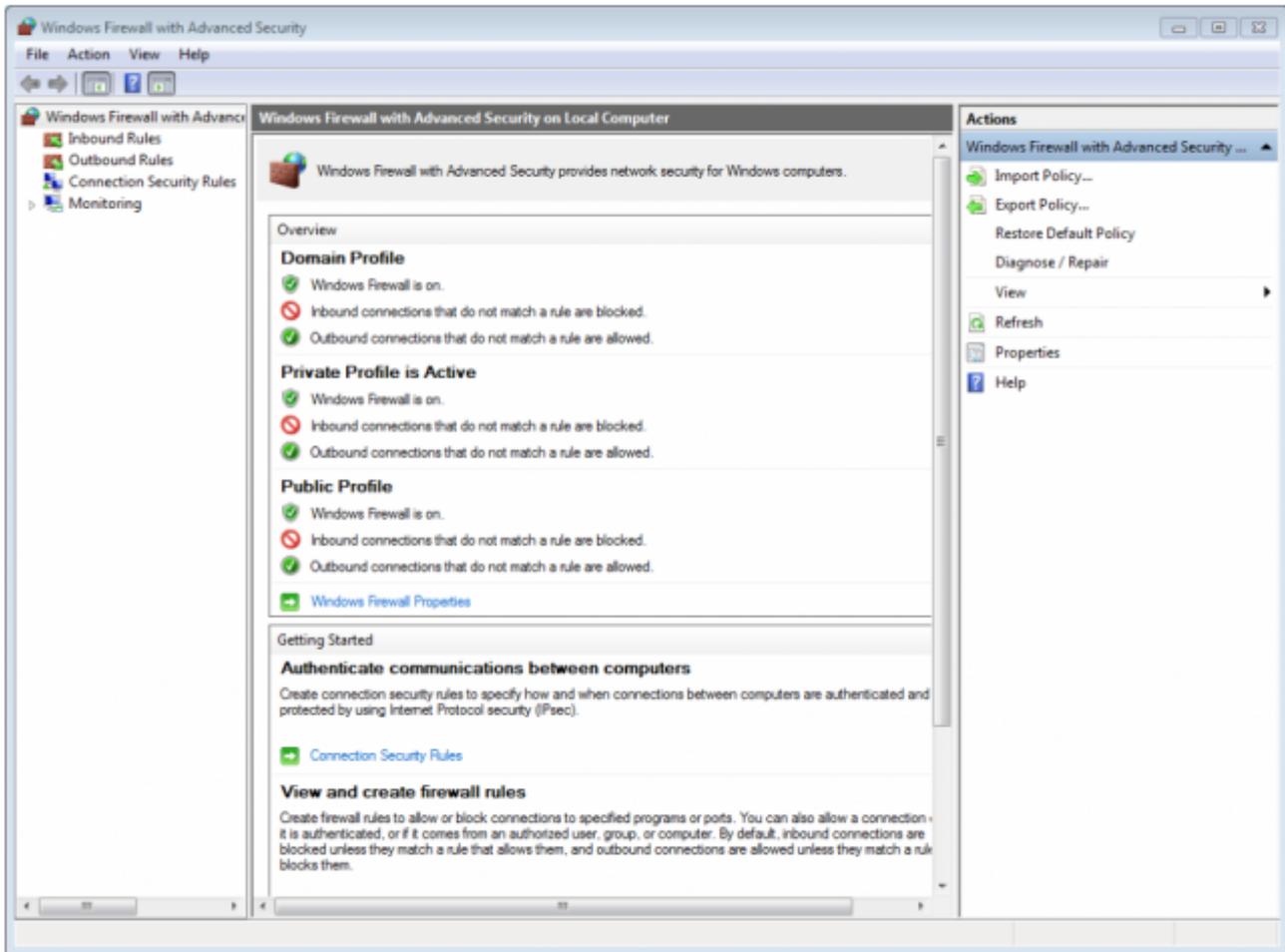
Select Advanced Settings....

3. Select **Advanced settings** in the left column of the Windows Firewall window.



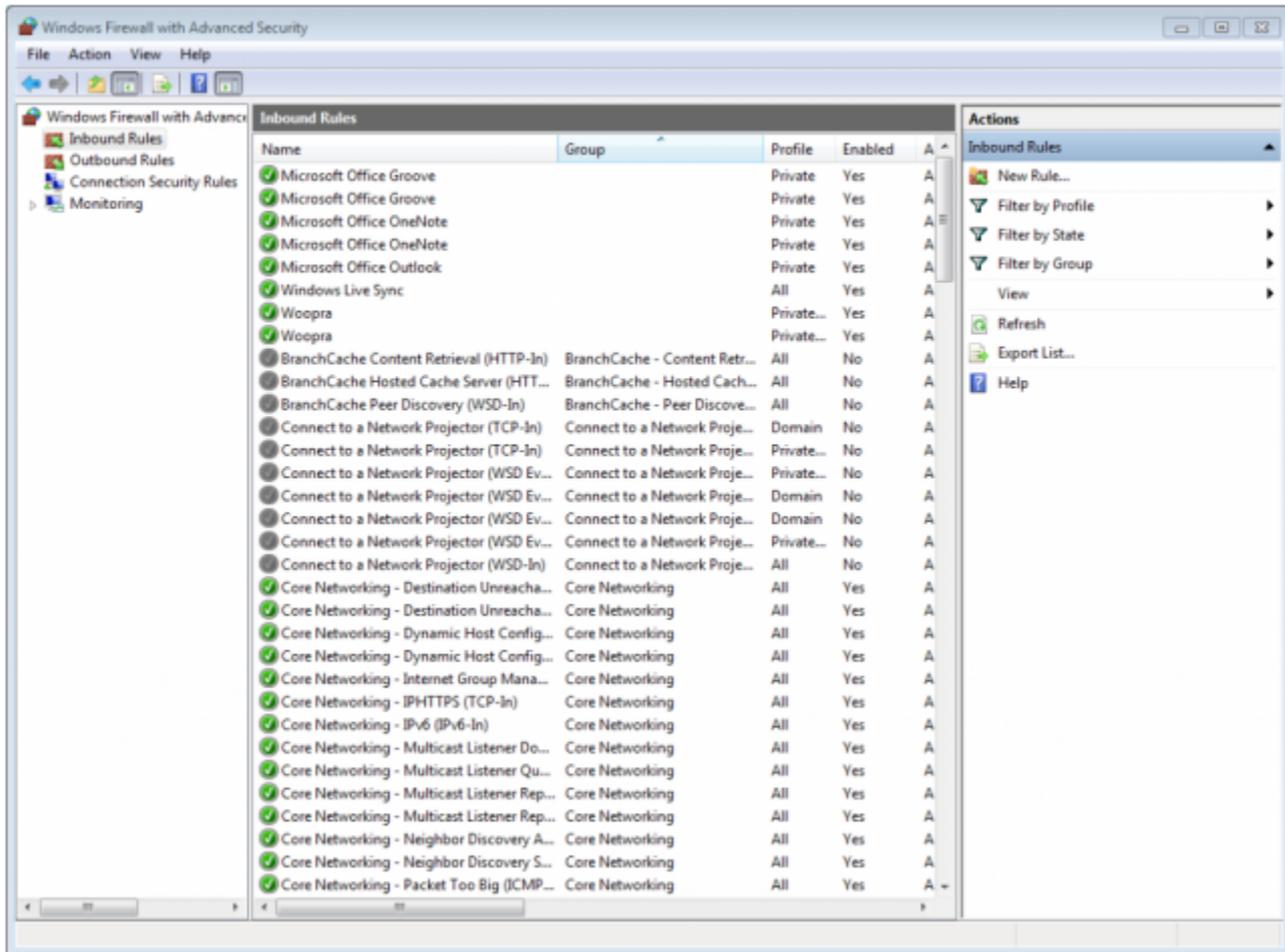
Select Inbound Rules...

4. Select **Inbound Rules** in the left column of the Windows Firewall with Advanced Security window.



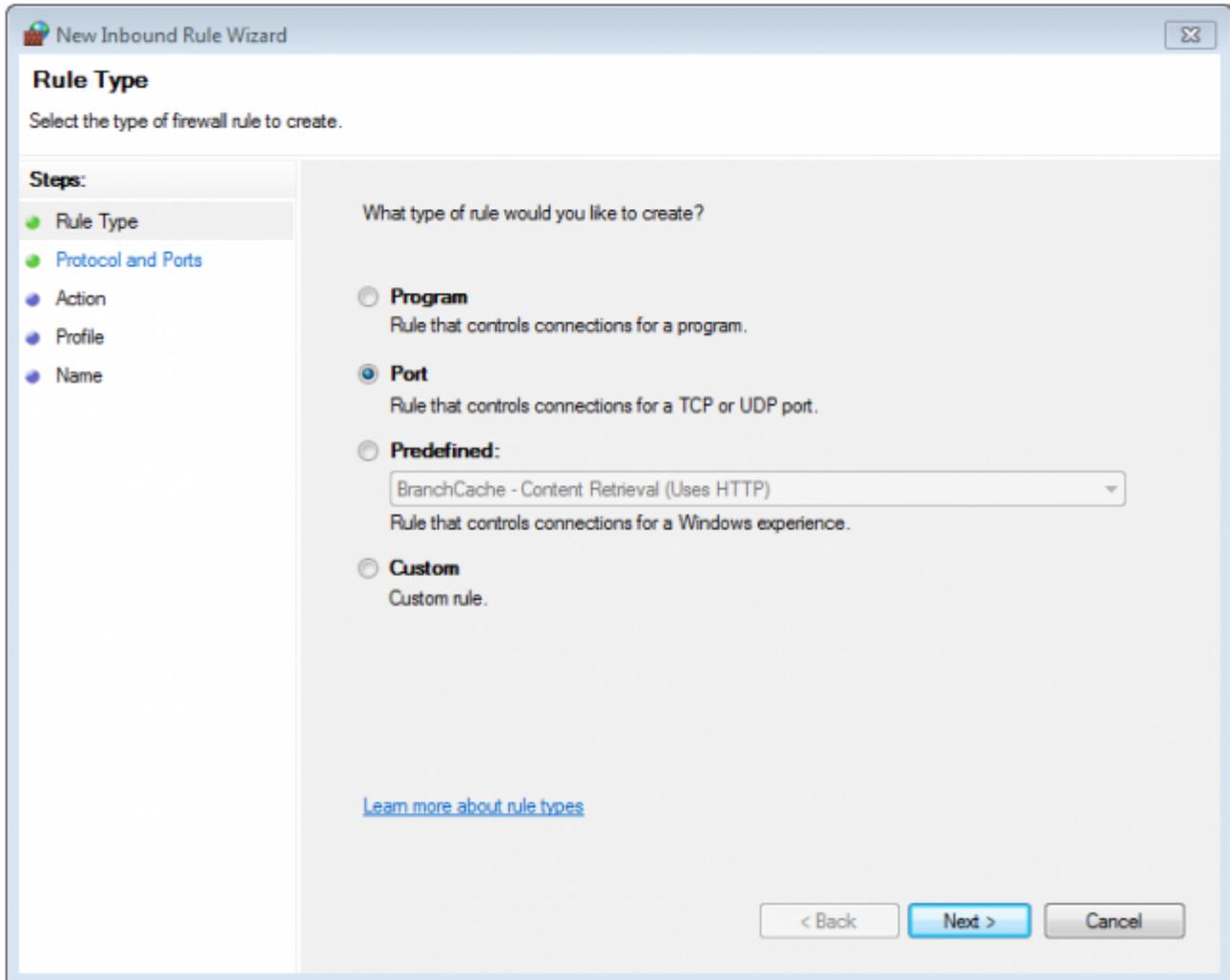
Select New Rule

5. Select **New Rule** in the right column.



Select Port...

6. Select **Port** in the New Inbound Rule Wizard and then click **Next**. *Note, do not create a **Program** rule - you must create a **Port** rule.*



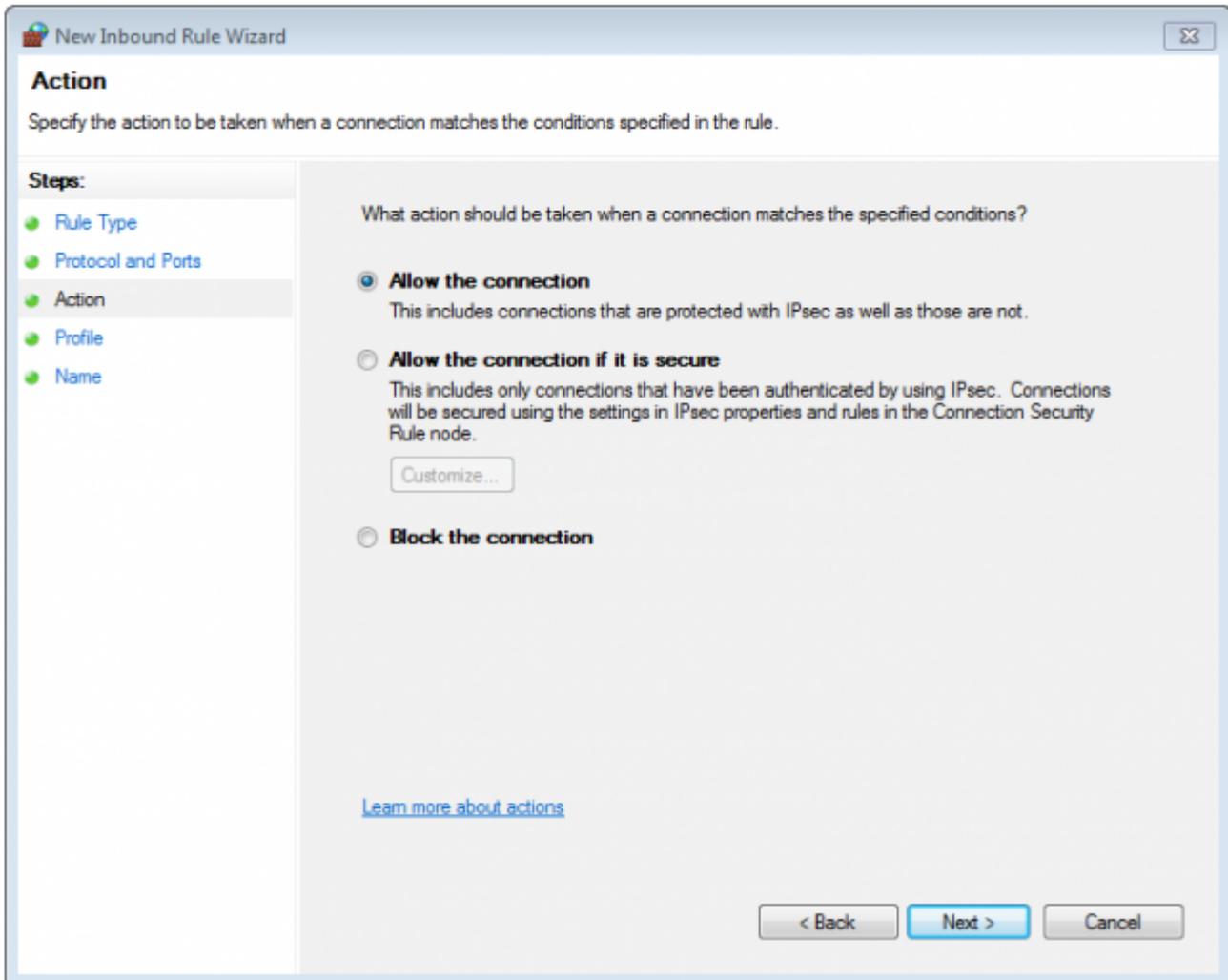
Set up Protocol and Ports...

7. Select which protocol this rule will apply to **TCP**, select **Specific** local ports, type port number **80**, and then click **Next**.

The screenshot shows the 'New Inbound Rule Wizard' window, specifically the 'Protocol and Ports' step. The window title is 'New Inbound Rule Wizard'. The main heading is 'Protocol and Ports' with the instruction 'Specify the protocols and ports to which this rule applies.' On the left, a 'Steps:' sidebar lists 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name', with 'Protocol and Ports' selected. The main area contains two questions: 'Does this rule apply to TCP or UDP?' with radio buttons for 'TCP' (selected) and 'UDP'; and 'Does this rule apply to all local ports or specific local ports?' with radio buttons for 'All local ports' and 'Specific local ports:' (selected). A text box next to 'Specific local ports:' contains the number '80', with an example 'Example: 80, 443, 5000-5010' below it. At the bottom, there are three buttons: '< Back', 'Next >' (highlighted in blue), and 'Cancel'. A link 'Learn more about protocol and ports' is also visible.

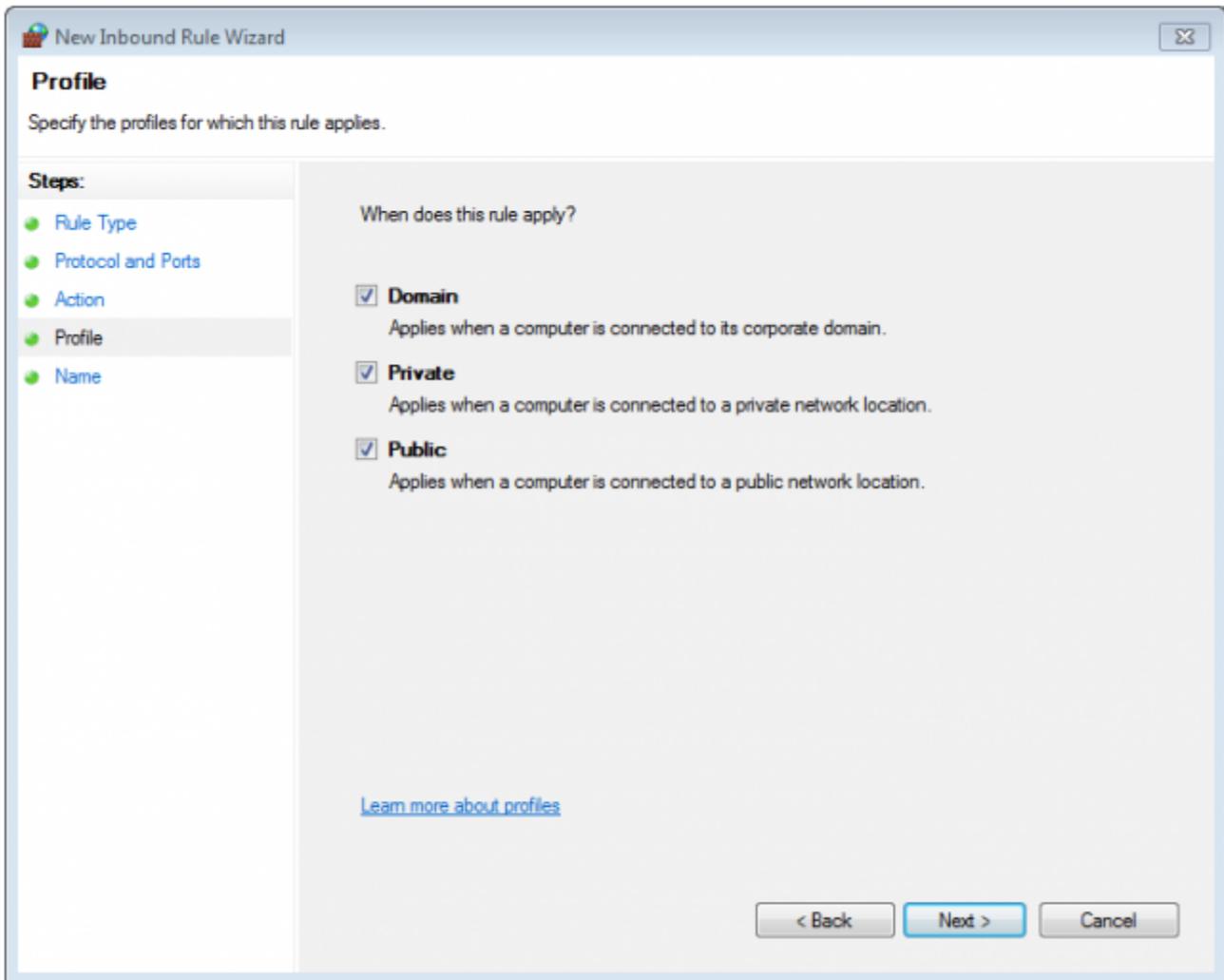
Allow the Connection...

8. Select **Allow the connection** and then click **Next**.



Select when this rule applies...

9. Select when this rule applies (check all of them for the port to always stay open) and then click **Next**.



Name your rule and Finish...

10. Give this rule a name and then click **Finish** to add the new rule.

The screenshot shows the 'New Inbound Rule Wizard' window. The title bar reads 'New Inbound Rule Wizard'. Below the title bar, the section is titled 'Name' with the instruction 'Specify the name and description of this rule.' On the left, a 'Steps' list includes 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name', with 'Name' selected. The main area contains a 'Name:' label above a text box containing 'HTTP', and a 'Description (optional):' label above a larger empty text box. At the bottom right, there are three buttons: '< Back', 'Finish', and 'Cancel'.

TCP Port 80 is now open and ready to be used.